Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	01/21/2022 09:06 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/20/2022 09:34 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	32272	Expiration Date:	09/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124140	-1	1.35	124120	1.32
Blue	F	SSC	125000	123887	-1	2.66	124393	2.51
Blue	E	FITC	13602	13182	-4	2.25	369	13.53
Blue	D	PE	24891	24454	-2	1.66	581	10.25
Blue	B	PerCP-Cy5-5	33972	32900	-4	2.96	943	14.44
Blue	A	PE-Cy7	22865	22470	-2	4.96	471	29.38
Red	C	APC	47198	46481	-2	2.68	1605	11.33
Red	A	APC-Cy7	26454	25532	-4	3.20	722	11.77
Violet	B	V450	6737	6431	-5	3.37	451	11.23
Violet	A	V500	29317	28106	-5	2.86	961	8.09

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	24168	2.22	533	-2	N/A	N/A	Pass
Blue	F	SSC	55795	2.00	516	-5	N/A	N/A	Pass
Blue	E	FITC	54	54.62	484	0	0.0420	80	Pass
Blue	D	PE	113	37.53	487	1	0.4139	280	Pass
Blue	B	PerCP-Cy5-5	149	41.34	578	-1	0.0216	118	Pass
Blue	A	PE-Cy7	78	78.17	621	0	0.0243	6	Pass
Red	C	APC	335	25.34	571	-1	0.0290	168	Pass
Red	A	APC-Cy7	134	35.04	548	-3	0.0075	2008	Pass
Violet	B	V450	77	45.79	442	-8	0.0568	2188	Pass
Violet	A	V500	114	29.65	461	-8	0.0262	710	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	01/21/2022 09:06 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/20/2022 09:34 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-31.64	-31.45	1.14
Blue	20.35	16.28 - 24.42	1.29	1.03 - 1.55	0.00	0.00	1.44
Red	15.58	13.90 - 20.86	N/A	N/A	29.85	29.99	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.93

Threshold

Threshold (FSC): 10537

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments